ELSEVIER

Journal of Organometallic Chemistry 557 (1998) 269

Journal of Organometallic Chemistry

Author index of Volume 557

A. Herrmann, W., 93
Ahlgrén, M.J., 225
Alvarado-Rodríguez, J.-G., 171

Baumann, R., 69
Bays, J.T., 77
B. Dinger, M., 229
Behrens, U., 255
Belluco, U., 37
Bertani, R., 37
Bitterwolf, T.E., 77
Bonifaci, C., 97
Boyko, W.J., 171
Brownless, A., 183

Campbell, J.P., 13
Carpenter, J.P., 121
Caruso, F., 189
Cea-Olivares, R., 171
Ceccon, A., 97
Cingolani, A., 189
Colacot, T.J., 171
Cooke, P.A., 183
Crabtree, R.H., 111

Douskey, M.L., 13
Drake, J.E., 219

Facchin, G., 37

Gallagher, S., 77
Gambaro, A., 97
Ganis, P., 97
Ghose, S., 219
Gladfelter, W.L., 13
Glosser, R., 121
Gröger, G., 255
Guang, W.-J., 159
Gupta, B.D., 247
Guzei, I.A., 77

Henderson, W., 229

Ikushima, N., 3

James, B.R., 121

Jelínek, T., 183
Jones, B.D., 121
Jorgenson, A.L., 13

Kaidzu, M., 3
Kaur, P., 183
Kennedy, J.D., 183
King, R.B., 1, 29

Leino, R., 225
Leonesi, D., 189
Liable-Sands, L., 77
Liang-Fu Zhang, 159
Linehan, J.C., 77
Li, R.-X., 209
Liu, Z., 121
Li, X.-J., 209
Lukehart, C.M., 121
Luttikhedde, H.J., 225

MacFarlane, K.S., 121
Mak, T.C., 209
Manoli, F., 97
Mantovani, L., 97
Marchetti, F., 189
Mashima, K., 3
Mathey, F., 117
Mathur, P., 219
Mercier, F., 117
Michelin, R.A., 37
Milne, S.B., 121
Mingos, D.M., 131
Moss, J.R., 263
Mozzon, M., 37
Mundorff, E., 189
Munkir Hossain, M., 219
Munson, E., 13

Nakamura, A., 3
Nakayama, Y., 3
Näsman, J.H., 225

Olbrich, F., 255

Pakkanen, T.A., 225
Pandolfo, L., 37

Perera, S.D., 183
Pettinari, C., 189

Qanungo, K., 247

Reisinger, C.-P., 93
Rettig, S.J., 121
Rheingold, A.L., 77
Ricard, L., 117
Robin, F., 117
Rossi, M., 189

Santi, S., 97
Satyanarayana, C.V., 219
Scallorn, B., 77
Schrock, R.R., 69
Schulte, P., 255
Skoog, S.J., 13
Spiegler, M., 93
Stark, J.L., 165
Štíbr, B., 183
Stock, S.R., 121

Teichman, R.A., 171
Thornton-Pett, M., 183
Tin, K.-C., 209
Toscano, R.A., 171

van Hal, J.W., 165
Venzo, A., 97
Vilar, R., 131
Voronkov, M.G., 145

Wan, W., 159
Whitmire, K.H., 165
Wittig, J.E., 121
Wong, N.-B., 209

Yin, X., 263

Zanotto, L., 37
Zhang, Z.-Y., 209
Zhao, K.-Q., 159
Zheng, W.-Z., 159
Zhu, J.G., 121

PII S0022-328X(98)00513-0

ELSEVIER

Journal of Organometallic Chemistry 557 (1998) 271–274

Journal of Organometallic Chemistry

Subject index of Volume 557

4-Acyl-5-pyrazolones
Tin(IV) and organotin(IV) derivatives of novel β-diketones. III Diorgano- and dihalotin(IV) complexes of 1,3-dimethyl-4-R(C=O)-pyrazol-5-one (R = CH_3, C_6H_5) and the crystal structure of *trans*-dicyclohexylbis(1,3-dimethyl-4-acetylpyrazolon-5-ato)tin(IV), 189

Alkynes
Metallorganische Verbindungen des Kupfers: XIV Spaltung der Halogeno-Brücken in den zweikernigen Alkin-Kupfer(I)-Komplexen $[CuX(\eta^2\text{-tmtch})]_2$ (X = Cl, Br, I; tmtch = 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin) durch die N-haltigen Lewis-Basen Ammoniak, Anilin, Pyridin und Diethylamin, 255

Allyl
The co-crystallization of Ru((*R*)-binap)$(\eta^3\text{-Me-allyl})_2$ and binap dioxide, and synthesis of $Ru(Ph_2P(CH_2)_4PPh_2)(\eta^3\text{-Me-allyl})_2$, 121

Amine complexes
Metallorganische Verbindungen des Kupfers: XIV Spaltung der Halogeno-Brücken in den zweikernigen Alkin-Kupfer(I)-Komplexen $[CuX(\eta^2\text{-tmtch})]_2$ (X = Cl, Br, I; tmtch = 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin) durch die N-haltigen Lewis-Basen Ammoniak, Anilin, Pyridin und Diethylamin, 255

Aminoindenyl
Synthesis and molecular structure of *meso*-(ethylenebis-(2-(dimethylamino))-1-indenyl)zirconium dichloride, 225

Anthracene
Half-sandwich complexes of niobium and tantalum bearing *o*-xylylene, anthracene, or cyclooctatetraene: crystal structures of $(\eta^5\text{-}C_5Me_5)Nb\{o\text{-}(CH_2)_2C_6H_4\}Cl_2$, $(\eta^5\text{-}C_5Me_5)Ta(\eta^4\text{-anthracene})(CH_2Ph)_2$, and $(\eta^5\text{-}C_5Me_5)Nb(\eta^4\text{-butadiene})(\eta^3\text{-cyclooctatetraene})$, 3

Binap
The co-crystallization of Ru((*R*)-binap)$(\eta^3\text{-Me-allyl})_2$ and binap dioxide, and synthesis of $Ru(Ph_2P(CH_2)_4PPh_2)(\eta^3\text{-Me-allyl})_2$, 121

2,2′-bis(diphenylphosphinomethyl)-1,1-biphenyl
Synthesis of novel ruthenium complexes of 2,2′-bis(diphenylphosphinomethyl)-1,1′-biphenyl and their catalytic hydrogenation reactions to α,β-unsaturated aldehydes, 209

Carbonyl
Structure and reactivity of the zero-valent ruthenium complex Ru(1,2-bis(diphenylphosphino)ethane)$(CO)_3$ and the dicationic ruthenium dimer $[Ru_2(1,2\text{-bis(diphenylphosphino)ethane})_2(CO)_6]^{2+}$, 13
The chemical reactivity of phosphorus-bridging carbonyl compounds: a novel approach to homogeneous catalysis?, 29

Carbonyl compounds
Hydride abstraction from $[PPN]_2[HSb\{Fe(CO)_4\}_3]$ by alkyl iodides: Synthesis and characterization of $[PPN][Sb(Me)I\{Fe(CO)_4\}_2]$, 165

Chromium
Indenyl and indacenyl ligands in homo and heterobimetallic complexes, 97

Cinnamaldehyde
Synthesis of novel ruthenium complexes of 2,2′-bis(diphenylphosphinomethyl)-1,1′-biphenyl and their catalytic hydrogenation reactions to α,β-unsaturated aldehydes, 209

cis-influence
Pyrazine bridged organodicobaloximes: a convenient one pot synthesis and *cis* influence studies, 247

Citral
Synthesis of novel ruthenium complexes of 2,2′-bis(diphenylphosphinomethyl)-1,1′-biphenyl and their catalytic hydrogenation reactions to α,β-unsaturated aldehydes, 209

Cluster
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219

Complex
Calamitic organometallic liquid crystals with terminal metal. Syntheses and liquid crystal properties of dicarbonylrhodium(I) β-diketonate complexes, 159

Copper(I)
Metallorganische Verbindungen des Kupfers: XIV Spaltung der Halogeno-Brücken in den zweikernigen Alkin-Kupfer(I)-Komplexen $[CuX(\eta^2\text{-tmtch})]_2$ (X = Cl, Br, I; tmtch = 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin) durch die N-haltigen Lewis-Basen Ammoniak, Anilin, Pyridin und Diethylamin, 255

Coupling reactions
Chelating *N*-heterocyclic carbene ligands in palladium-catalyzed heck-type reactions, 93

Crystal structure
Half-sandwich complexes of niobium and tantalum bearing *o*-xylylene, anthracene, or cyclooctatetraene: crystal structures of $(\eta^5\text{-}C_5Me_5)Nb\{o\text{-}(CH_2)_2C_6H_4\}Cl_2$, $(\eta^5\text{-}C_5Me_5)Ta(\eta^4\text{-anthracene})(CH_2Ph)_2$, and $(\eta^5\text{-}C_5Me_5)Nb(\eta^4\text{-butadiene})(\eta^3\text{-cyclooctatetraene})$, 3
Organogold(III) metallacyclic chemistry. Part 2. Synthesis and characterisation of the first gold(III) ureylene complexes. Crystal structures of $[\{C_6H_3(CH_2NMe_2)-2-(OMe)-5\}Au\{RNC(O)NR\}]$ (R = Ph and C(O)Me, 229
Structure and reactivity of the zero-valent ruthenium complex Ru(1,2-bis(diphenylphosphino)ethane)$(CO)_3$ and the dicationic ruthenium dimer $[Ru_2(1,2\text{-bis(diphenylphosphino)ethane})_2(CO)_6]^{2+}$, 13
Tin(IV) and organotin(IV) derivatives of novel β-diketones. III Diorgano- and dihalotin(IV) complexes of 1,3-dimethyl-4-R(C=O)-pyrazol-5-one (R = CH_3, C_6H_5) and the crystal structure of *trans*-dicyclohexylbis(1,3-dimethyl-4-acetylpyrazolon-5-ato)tin(IV), 189

[4 + 2] cycloadditions
From 2*H*-phospholes to BIPNOR, a new efficient biphosphine for asymmetric catalysis, 117

PII S0022-328X(98)00514-2

Cyclooctatetraene
Half-sandwich complexes of niobium and tantalum bearing *o*-xylylene, anthracene, or cyclooctatetraene: crystal structures of $(\eta^5\text{-}C_5Me_5)Nb\{o\text{-}(CH_2)_2C_6H_4\}Cl_2$, $(\eta^5\text{-}C_5Me_5)Ta(\eta^4\text{-anthracene})(CH_2Ph)_2$, and $(\eta^5\text{-}C_5Me_5)Nb(\eta^4\text{-butadiene})(\eta^3\text{-cyclooctatetraene})$, 3

β-diketone
Calamitic organometallic liquid crystals with terminal metal. Syntheses and liquid crystal properties of dicarbonylrhodium(I) β-diketonate complexes, 159

Dynamic NMR
Structure and reactivity of the zero-valent ruthenium complex Ru(1,2-bis(diphenylphosphino)ethane)$(CO)_3$ and the dicationic ruthenium dimer $[Ru_2(1,2\text{-bis(diphenylphosphino)ethane})_2(CO)_6]^{2+}$, 13

enantioselective catalysis
From 2*H*-phospholes to BIPNOR, a new efficient biphosphine for asymmetric catalysis, 117

Gold
Organogold(III) metallacyclic chemistry. Part 2. Synthesis and characterisation of the first gold(III) ureylene complexes. Crystal structures of $[\{C_6H_3(CH_2\text{-}\overbrace{NMe_2)-2-(OMe)-5\}Au\{RNC(O)NR}\}]$ (R = Ph and C(O)Me, 229

Halogeno complexes
Metallorganische Verbindungen des Kupfers: XIV Spaltung der Halogeno-Brücken in den zweikernigen Alkin-Kupfer(I)-Komplexen $[CuX(\eta^2\text{-tmtch})]_2$ (X = Cl, Br, I; tmtch = 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin) durch die N-haltigen Lewis-Basen Ammoniak, Anilin, Pyridin und Diethylamin, 255

Heterobimetallics
Syntheses of polymethylene bridged early–late transition metal complexes, 263

Homogeneous catalysts
Synthesis, single crystal X-ray structure determination and NMR studies of $Cp_2Fe(PPh_2)_2PtPh_2$ and $Cp_2Fe(PPh_2)_2PtI_2$, 171

Hydride
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219

Hydrogenation
Synthesis of novel ruthenium complexes of 2,2′-bis(diphenylphosphinomethyl)-1,1′-biphenyl and their catalytic hydrogenation reactions to α,β-unsaturated aldehydes, 209

Indacenyl
Indenyl and indacenyl ligands in homo and heterobimetallic complexes, 97

Indenyl
Indenyl and indacenyl ligands in homo and heterobimetallic complexes, 97

Indole systems
Functionalized ylides: new trends in organometallic chemistry, 37

Iodoalkyl
Syntheses of polymethylene bridged early–late transition metal complexes, 263

IR
Tin(IV) and organotin(IV) derivatives of novel β-diketones. III Diorgano- and dihalotin(IV) complexes of 1,3-dimethyl-4-R(C=O)-pyrazol-5-one ($R = CH_3$, C_6H_5) and the crystal structure of *trans*-dicyclohexylbis(1,3-dimethyl-4-acetylpyrazolon-5-ato)tin(IV), 189

Iron
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219

Ketenyl
Functionalized ylides: new trends in organometallic chemistry, 37

Ligand
Functionalized ylides: new trends in organometallic chemistry, 37

Liquid crystal
Calamitic organometallic liquid crystals with terminal metal. Syntheses and liquid crystal properties of dicarbonylrhodium(I) β-diketonate complexes, 159

Living intermediates
NMR detection of living intermediates prepared from activated [NON]$ZrMe_2$ ($[NON]^{2-} = [(t\text{-Bu-}d_6\text{-N-}o\text{-}C_6H_4)_2O]^{2-}$) and olefins, 69

Macropolyhedral
Macropolyhedral boron-containing cluster chemistry. $[PtMe_2(PMe_2Ph)_2]$ as a cluster metallating agent. Isolation and characterisation of nineteen-vertex $[(PMe_2Ph)HPt\text{-}\eta^4\text{-}syn\text{-}B_{18}H_{19}(PMe_2Ph)]$ and eighteen-vertex $[(PMe_2Ph)_2PtS_2B_{15}H_{14}(NHCOMe]$, 183

Meso
Synthesis and molecular structure of *meso*-(ethylenebis-(2-(dimethylamino))-1-indenyl)zirconium dichloride, 225

Metal-centered radicals
Structure and reactivity of the zero-valent ruthenium complex Ru(1,2-bis(diphenylphosphino)ethane)$(CO)_3$ and the dicationic ruthenium dimer $[Ru_2(1,2\text{-bis(diphenylphosphino)ethane})_2(CO)_6]^{2+}$, 13

Metallaboranes
Macropolyhedral boron-containing cluster chemistry. $[PtMe_2(PMe_2Ph)_2]$ as a cluster metallating agent. Isolation and characterisation of nineteen-vertex $[(PMe_2Ph)HPt\text{-}\eta^4\text{-}syn\text{-}B_{18}H_{19}(PMe_2Ph)]$ and eighteen-vertex $[(PMe_2Ph)_2PtS_2B_{15}H_{14}(NHCOMe]$, 183

Metallacycle
Organogold(III) metallacyclic chemistry. Part 2. Synthesis and characterisation of the first gold(III) ureylene complexes. Crystal structures of $[\{C_6H_3(CH_2\text{-}\overbrace{NMe_2)-2-(OMe)-5\}Au\{RNC(O)NR}\}]$ (R = Ph and C(O)Me, 229

Metallocene
Synthesis and molecular structure of *meso*-(ethylenebis-(2-(dimethylamino))-1-indenyl)zirconium dichloride, 225

Molybdenum
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219

Nanocomposites
Organometallic compounds as single-source precursors to nanocomposite materials: an overview, 121

Nanoparticles
Organometallic compounds as single-source precursors to nanocomposite materials: an overview, 121

N-heterocyclic
Chelating *N*-heterocyclic carbene ligands in palladium-catalyzed heck-type reactions, 93

Niobium
Half-sandwich complexes of niobium and tantalum bearing *o*-xylylene, anthracene, or cyclooctatetraene: crystal structures of $(\eta^5\text{-}C_5Me_5)Nb\{o\text{-}(CH_2)_2C_6H_4\}Cl_2$, $(\eta^5\text{-}C_5Me_5)Ta(\eta^4\text{-anthracene})(CH_2Ph)_2$, and $(\eta^5\text{-}C_5Me_5)Nb(\eta^4\text{-butadiene})(\eta^3\text{-cyclooctatetraene})$, 3
Improved synthesis of $(\eta^5\text{-CpR})M(CO)_4$ compounds and the Nujol matrix photochemistry of $(\eta^5\text{-}C_5H_5)M(CO)_4$ and $(\eta^5\text{-}C_9H_7)M(CO)_4$, where M = Nb and Ta, 77

NMR
Synthesis, single crystal X-ray structure determination and NMR studies of $Cp_2Fe(PPh_2)_2PtPh_2$ and $Cp_2Fe(PPh_2)_2PtI_2$, 171
Tin(IV) and organotin(IV) derivatives of novel β-diketones. III Diorgano- and dihalotin(IV) complexes of 1,3-dimethyl-4-R(C=O)-pyrazol-5-one ($R = CH_3$, C_6H_5) and the crystal structure of *trans*-dicyclohexylbis(1,3-dimethyl-4-acetylpyrazolon-5-ato)tin(IV), 189
NON
NMR detection of living intermediates prepared from activated [NON]$ZrMe_2$ ($[NON]^{2-} = [(t\text{-}Bu\text{-}d_6\text{-}N\text{-}o\text{-}C_6H_4)_2O]^{2-}$) and olefins, 69

Olefins
NMR detection of living intermediates prepared from activated [NON]$ZrMe_2$ ($[NON]^{2-} = [(t\text{-}Bu\text{-}d_6\text{-}N\text{-}o\text{-}C_6H_4)_2O]^{2-}$) and olefins, 69
Oligomerization
The third route to the formation of the Si–O–Si-group and siloxane structures. To siloxanes through silanones, 145
Oligosiloxanes
The third route to the formation of the Si–O–Si-group and siloxane structures. To siloxanes through silanones, 145
Organodicobaloximes
Pyrazine bridged organodicobaloximes: a convenient one pot synthesis and *cis* influence studies, 247
Organometal
Calamitic organometallic liquid crystals with terminal metal. Syntheses and liquid crystal properties of dicarbonylrhodium(I) β-diketonate complexes, 159
Oxidative addition
Syntheses of polymethylene bridged early–late transition metal complexes, 263
o-xylylene
Half-sandwich complexes of niobium and tantalum bearing *o*-xylylene, anthracene, or cyclooctatetraene: crystal structures of $(\eta^5\text{-}C_5Me_5)Nb\{o\text{-}(CH_2)_2C_6H_4\}Cl_2$, $(\eta^5\text{-}C_5Me_5)Ta(\eta^4\text{-anthracene})(CH_2Ph)_2$, and $(\eta^5\text{-}C_5Me_5)Nb(\eta^4\text{-butadiene})(\eta^3\text{-cyclooctatetraene})$, 3

Palladium complexes
Chelating *N*-heterocyclic carbene ligands in palladium-catalyzed heck-type reactions, 93
Phosphorus-bridging
The chemical reactivity of phosphorus-bridging carbonyl compounds: a novel approach to homogeneous catalysis?, 29
Photochemistry
Improved synthesis of $(\eta^5\text{-CpR})M(CO)_4$ compounds and the Nujol matrix photochemistry of $(\eta^5\text{-}C_5H_5)M(CO)_4$ and $(\eta^5\text{-}C_9H_7)M(CO)_4$, where M = Nb and Ta, 77
Structure and reactivity of the zero-valent ruthenium complex Ru(1,2-bis(diphenylphosphino)ethane)$(CO)_3$ and the dicationic ruthenium dimer $[Ru_2(1,2\text{-bis(diphenylphosphino)ethane})_2(CO)_6]^{2+}$, 13
Platinum
Macropolyhedral boron-containing cluster chemistry. $[PtMe_2(PMe_2Ph)_2]$ as a cluster metallating agent. Isolation and characterisation of nineteen-vertex $[(PMe_2Ph)HPt\text{-}\eta^4\text{-}syn\text{-}B_{18}H_{19}(PMe_2Ph)]$ and eighteen-vertex $[(PMe_2Ph)_2PtS_2B_{15}H_{14}(NHCOMe]$, 183
Syntheses of polymethylene bridged early–late transition metal complexes, 263
Platinum diphosphine complexes
Synthesis, single crystal X-ray structure determination and NMR studies of $Cp_2Fe(PPh_2)_2PtPh_2$ and $Cp_2Fe(PPh_2)_2PtI_2$, 171
Polymerization
The third route to the formation of the Si–O–Si-group and siloxane structures. To siloxanes through silanones, 145
Polymethylene bridge
Syntheses of polymethylene bridged early–late transition metal complexes, 263
Polysiloxanes
The third route to the formation of the Si–O–Si-group and siloxane structures. To siloxanes through silanones, 145
Pyrazine
Pyrazine bridged organodicobaloximes: a convenient one pot synthesis and *cis* influence studies, 247

Radical chain mechanism
Hydride abstraction from $[PPN]_2[HSb\{Fe(CO)_4\}_3]$ by alkyl iodides: Synthesis and characterization of $[PPN][Sb(Me)I\{Fe(CO)_4\}_2]$, 165
Rhodium
Indenyl and indacenyl ligands in homo and heterobimetallic complexes, 97
Ruthenium
Structure and reactivity of the zero-valent ruthenium complex Ru(1,2-bis(diphenylphosphino)ethane)$(CO)_3$ and the dicationic ruthenium dimer $[Ru_2(1,2\text{-bis(diphenylphosphino)ethane})_2(CO)_6]^{2+}$, 13
Ruthenium complex
Synthesis of novel ruthenium complexes of 2,2′-bis(diphenylphosphinomethyl)-1,1′-biphenyl and their catalytic hydrogenation reactions to α,β-unsaturated aldehydes, 209
Ruthenium(II) complexes
The co-crystallization of Ru((*R*)-binap)$(\eta^3\text{-Me-allyl})_2$ and binap dioxide, and synthesis of $Ru(Ph_2P(CH_2)_4PPh_2)(\eta^3\text{-Me-allyl})_2$, 121

[1,5] sigmatropic shifts
From 2*H*-phospholes to BIPNOR, a new efficient biphosphine for asymmetric catalysis, 117
Silica xerogels
Organometallic compounds as single-source precursors to nanocomposite materials: an overview, 121
Sol–gel chemistry
Organometallic compounds as single-source precursors to nanocomposite materials: an overview, 121
Structure
Metallorganische Verbindungen des Kupfers: XIV Spaltung der Halogeno-Brücken in den zweikernigen Alkin-Kupfer(I)-Komplexen $[CuX(\eta^2\text{-tmtch})]_2$ (X = Cl, Br, I; tmtch = 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin) durch die N-haltigen Lewis-Basen Ammoniak, Anilin, Pyridin und Diethylamin, 255
Sulphur
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219
Syn and *anti* structures
Indenyl and indacenyl ligands in homo and heterobimetallic complexes, 97

Tantalum
Half-sandwich complexes of niobium and tantalum bearing *o*-xylylene, anthracene, or cyclooctatetraene: crystal structures of $(\eta^5\text{-}C_5Me_5)Nb\{o\text{-}(CH_2)_2C_6H_4\}Cl_2$, $(\eta^5\text{-}C_5Me_5)Ta(\eta^4\text{-anthracene})(CH_2Ph)_2$, and $(\eta^5\text{-}C_5Me_5)Nb(\eta^4\text{-butadiene})(\eta^3\text{-cyclooctatetraene})$, 3
Improved synthesis of $(\eta^5\text{-CpR})M(CO)_4$ compounds and the Nujol matrix photochemistry of $(\eta^5\text{-}C_5H_5)M(CO)_4$ and $(\eta^5\text{-}C_9H_7)M(CO)_4$, where M = Nb and Ta, 77
Tellurium
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219

Thiolato
Synthesis and structural characterisation of a mixed Mo/Fe, mixed chalcogen, PhS-bridged cluster, 219

Tin(IV) complexes
Tin(IV) and organotin(IV) derivatives of novel β-diketones. III Diorgano- and dihalotin(IV) complexes of 1,3-dimethyl-4-R(C=O)-pyrazol-5-one ($R = CH_3$, C_6H_5) and the crystal structure of *trans*-dicyclohexylbis(1,3-dimethyl-4-acetylpyrazolon-5-ato)tin(IV), 189

Transition metal
The chemical reactivity of phosphorus-bridging carbonyl compounds: a novel approach to homogeneous catalysis?, 29

Triclinic
Synthesis, single crystal X-ray structure determination and NMR studies of $Cp_2Fe(PPh_2)_2PtPh_2$ and $Cp_2Fe(PPh_2)_2PtI_2$, 171

Tungsten
Syntheses of polymethylene bridged early–late transition metal complexes, 263

Ureylene
Organogold(III) metallacyclic chemistry. Part 2. Synthesis and characterisation of the first gold(III) ureylene complexes. Crystal structures of [{$C_6H_3(CH_2NMe_2)-2-(OMe)-5$}Au{RNC(O)NR}] (R = Ph and C(O)Me, 229

X-ray crystal structure
The co-crystallization of Ru((*R*)-binap)(η^3-Me-allyl)$_2$ and binap dioxide, and synthesis of $Ru(Ph_2P(CH_2)_4PPh_2)(\eta^3$-Me-allyl)$_2$, 121

X-ray diffraction
Hydride abstraction from $[PPN]_2[HSb\{Fe(CO)_4\}_3]$ by alkyl iodides: Synthesis and characterization of $[PPN][Sb(Me)I\{Fe(CO)_4\}_2]$, 165
Synthesis, single crystal X-ray structure determination and NMR studies of $Cp_2Fe(PPh_2)_2PtPh_2$ and $Cp_2Fe(PPh_2)_2PtI_2$, 171

Ylides
Functionalized ylides: new trends in organometallic chemistry, 37